

GFDL 50th Anniversary Symposium Agenda

SEPTEMBER 6, 2005

Registration

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Begins at 11.30 AM

Lunch (Catered at Friend Center)

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Noon-1.00 PM

Welcome, Logistics and Introduction

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1.00-1.25 PM: Welcome, Logistics, and Opening Remarks [A. Leetmaa, V. Ramaswamy, and G. Philander]

Session 1 State-of-the-art understanding and status of climate modeling

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[Chair: Miyakoda]

1.30-1.55 PM: Held [Geophysical Fluid Dynamics Laboratory]

"50 Years of research at GFDL: Lessons for the future?"

1.55-2.20 PM: Hoskins [University of Reading]

"Aspects of climate predictability"

2.20-2.45 PM: Hurrell [National Center for Atmospheric Research]

"The great 20th Century drying of Africa"

2.45-3.15 PM: Coffee Break

[Chair: Bryan]

3.15-3.40 PM: Ramanathan [University of California, San Diego]

"Atmospheric brown clouds and greenhouse gases:
regional impacts"

3.40-4.05 PM: Hartmann [University of Washington]

"Tropical clouds, water vapor and climate feedbacks"

4.05-4.30 PM: Marshall [Massachusetts Institute of Technology]
"Partition of heat transport between the atmosphere and
ocean: what controls it and what are its implications for climate
variability?"

4.30-4.55 PM: Palmer [European Center for Medium-range Weather
Forecasting]
"Can a 1 hour weather forecast be of help in predicting
climate a hundred years from now?"

6.30 PM: Reception and Cash bar at the HYATT [Princeton]

7.30 PM: BANQUET DINNER

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8.00-8.30 AM: Coffee, juice, etc. (at Friend Center)

Session 2 Climate variation and change, and modeling climate impacts
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[Chair: Manabe]

8.30-8.55 AM: Cane [Lamont Doherty Geological Observatory]
"Drought in North America: The solar-ENSO connection"

8.55-9.20 AM: Mitchell [United Kingdom Meteorological Office]
"Uncertainty in climate predictions"

9.20-9.45 AM: Pacala [Princeton University]
"Constraining the global terrestrial carbon sink"

9.45-10.15 AM: Coffee Break

Session 3 Challenges in climate predictability (including Panel
Presentation and Discussions)
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[Chair: Leetmaa]

10.15-10.30 AM: Mahoney [NOAA]
"The importance of climate modeling capabilities to
support decision making"

10.30-10.35 AM: Introduction of the Panel presentation and discussions
by the Chair

10.35-10.50 AM: Emanuel [Massachusetts Institute of Technology]
"Hurricane and Climate change"

10.50-11.05 AM: Hansen [NASA, Goddard Institute for Space Studies]
"Is there still time to avoid 'dangerous anthropogenic
interference' with climate?"

11.05-11.20 AM: Marotzke [Max Planck Institute for Meteorology,
Hamburg]
"From climate projections to climate predictions"

11.20-11.35 AM: Fung [University of California, Berkeley]
"Earth system modeling and astrobiology"

11.40-12.45 PM: Discussions led by the panel and interactive with the
Audience

12.45-1.00 PM: Mahlman [National Center for Atmospheric Research]
"Overarching remarks"

1.00-2.00 PM: Lunch (Catered at Friend Center)

2.00-4.00 PM: AOS Reunion and Discussion Forum
"21st Century Challenges for Graduate Students and
Programs in Earth Sciences"

[Chair: Philander]

Discussion Leaders: Dr. L. Goddard; Dr. T. Holloway; Dr. K. Moore; Dr.
S. Nigam

5:00 PM onwards: PICNIC AT GFDL